

贵州拟蕨类植物新种

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NEW SPECIES OF FERN ALLIES FROM GUIZHOU

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〔摘 要〕 拟蕨类植物二新种: 赤水石杉 *Huperzia chishuiensis* X. Y. Wang et P. S. Wang 和赫章卷柏 *Selaginella hezhangensis* P. S. Wang et X. Y. Wang

关键词 拟蕨类; 新种; 贵州

Key words Fern allies; New species; Guizhou

1. 赤水石杉 新种 图 1-3

Huperzia chishuiensis X. Y. Wang et P. S. Wang, sp. nov.

Species *H. Liangshanicae* (H. S. Kung) Ching et H. S. Kung similis, differt foliis integris vel margine supra medium obscure denticulatis; etiam *H. Herterianae* (Kümm.) Sen et Sen affinis, differt foliis anguste ellipticis vel oblanceolatis, basin versus distincte angustatis.

Tota planta 8-18 cm alta. Caulis erectus vel ascendens, 2- dichotome furcatis ramis cum foliis 1- 1.8 cm latis. Folia anguste elliptica vel oblanceolata, 6- 11 mm longa, 0.7- 1.8 mm lata, reflexa, basin versus manifeste angustata, apice acuminata vel acuta, margine integra vel perpauce denticulatis supra medium, tenuiter coriacea, costis conspicuis.

Guizhou Chishui, Alsophila Preserve, among bryophyta population, alt. ca. 1450 m, Dec. 21, 1991, S. Z. Fang 5218 (Type in HGAS; Isotype, PYU & HGT^{*})

本种近凉山石杉 (*H. liangshanica* (H. S. Kung) Ching et *H. S. Kung*), 但叶全缘或中部以上具不明显的微齿; 与锡金石杉 (*H. herteriana* (Kümm.) Sen et Sen) 的区别在于叶狭椭圆形或倒披针形, 基部明显变狭。

植株高 8-18cm 茎直立或斜升, 2 回二叉分枝; 枝连叶宽 1- 1.8cm 叶狭椭圆形或倒披针形, 长 6- 11mm, 宽 0.7- 1.8mm, 反折, 基部明显变狭, 先端渐尖或锐尖, 边缘全缘或

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* * HGT= Herbarium of Guizhou Teacher's College

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中部以上疏具微齿,薄革质,中肋明显。

贵州:赤水,桫欏自然保护区,生藓丛中,海拔 1450m, 1991年 12月 21日,方嗣昭 5218 (模式存贵州科学院标本室;等模式存云南大学生态学与地植物学研究所和贵州教育学院标本室)。

2 赫章卷柏 新种 图 4-9

Selaginella hezhangensis P. S. Wang et X. Y. Wang, sp. nov.

Species affinis *S. xipholepis* Bak., differt foliis lateralibus ovato-oblongis vel oblongis apice obtuse rotundatis, foliis intermediis late ovatis apice cuspidatis.

Caules repentes, usque ad 13 cm longi, 3-4-ramosi. Folia ubique heteromorpha foliis lateralibus ovato-oblongis vel oblongis, 2.2-3.2mm longis, 1-1.8mm latis, basi asymmetricis, semifacie superiore basi cordata, semifacie inferiore basi rotundato-cuneata, apice obtuse rotundatis; foliis intermediis late ovatis, 1.2-2mm longis, 0.8-1.4mm latis, basi cordatis, apice cuspidatis; foliis axillaribus ovatis vel ellipticis; foliis omnino albo-marginibus, inferiore breviter ciliatis, sursum ad apicem serrulatis. Strobili 8-16mm longi, 2.5-3.5mm lati. Sporophylla valde dimorpha sporophyllis dorsalibus majoribus, oblique patentibus, ovato-oblongis, apice obtusis; sporophyllis ventralibus minoribus, distaliter arrectis, ovatis, apice acuminatis. Megasporangia pauca, in parte inferiore strobili locata. Megaspores pallide citrinae, ca. 280 μ m diam.; microspores armeniacaes, 24-29 μ m diam., verruculosae.

Guizhou Hezhang, under shrubs in a valley on the way from Hengdi to Anle, alt. 2010m, Aug. 2, 1988, F. Wang 78308 (Type, HGAS)

本种近剑叶卷柏 (*S. xipholepis* Bak.),但侧叶卵状长圆形或长圆形,先端钝圆,中叶宽卵形,先端骤尖而不同。

茎匍匐,长达 13cm, 3-4回分枝。叶异型:侧叶卵状长圆形或长圆形,长 2.2-3.2mm,宽 1-1.8mm,基部不对称,上半边在基部心脏形,下半边在基部圆楔形,先端钝圆;中叶宽卵形,长 1.2-2mm,宽 0.8-1.4mm,基部心形,先端骤尖;腋叶卵形或椭圆形;各叶均具白边,下缘具短睫状毛,向上成微齿。孢子囊穗长 8-16mm,宽 2.5-3.5mm。孢子叶明显二型,上面的较大,斜展,卵状长圆形,先端钝;下面的较小,指向前端,卵形,先端渐尖。大孢子囊少数,位于穗下部。大孢子淡柠檬黄色,直径约 280 μ m;小孢子暗橙色,直径 24-29 μ m,具小疣状纹饰。

贵州:赫章,生于恒底至安乐途中的峡谷灌丛下,海拔 2010m,王锋 78308(模式存贵州科学院标本室)。

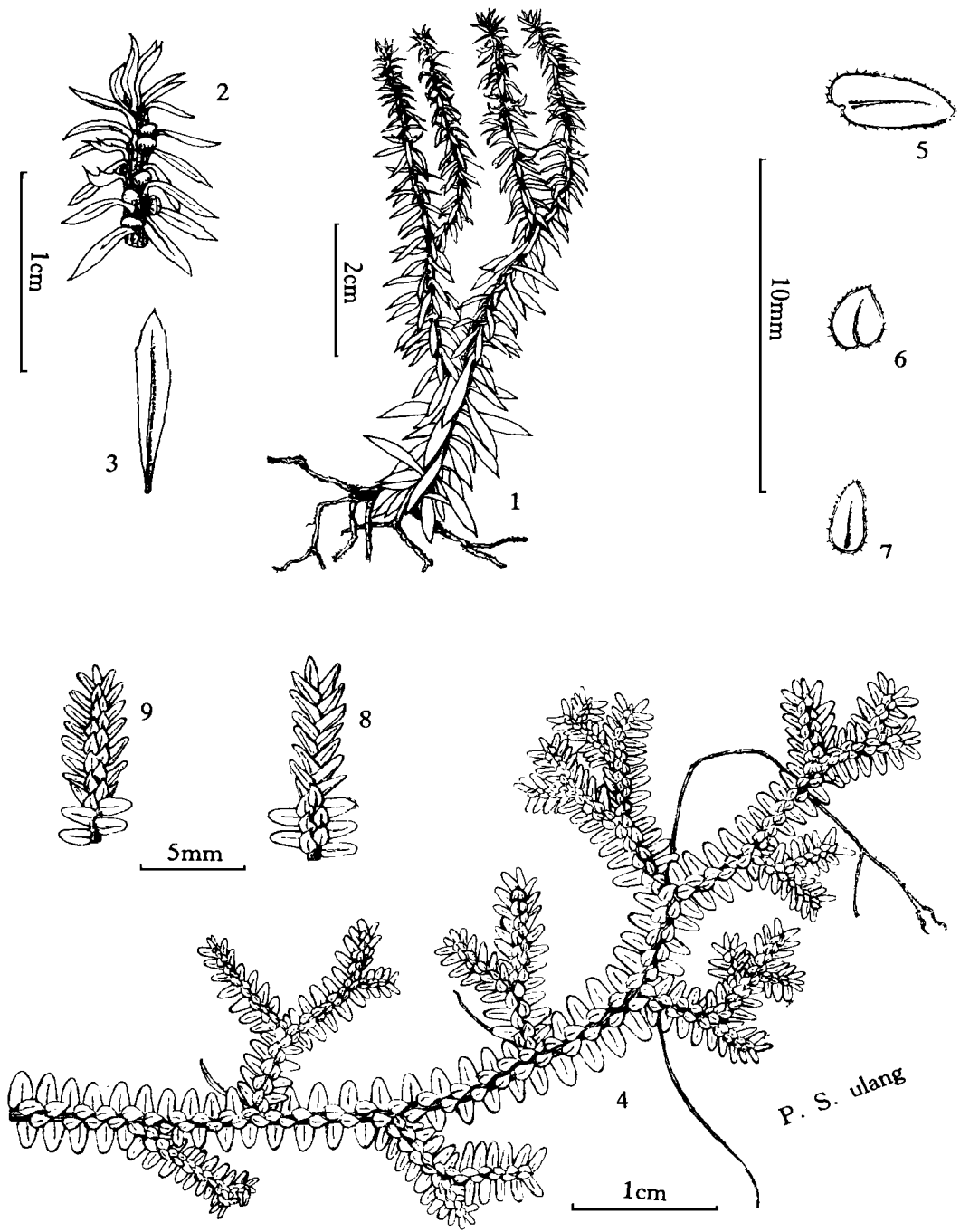


图 1—3 赤水石杉, 1. 植株, 2. 小枝上部, 3. 叶; 4—9. 赫章卷柏, 4. 植株, 5. 侧叶, 6. 中叶, 7. 腋叶, 8—9. 孢子囊穗

Fig. 1—3 *Huperzia chishuiensis*, 1. plant, 2. upper part of branchlet, 3. a leaf; 4—9. *Selaginella hezhangensis*, 4. plant, 5. lateral leaf, 6. median leaf, 7. axillary leaf, 8—9. strobile